Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/23/2018 10:17 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125803	0	2.93	125757	2.89
Blue	F	SSC	125000	123885	-1	1.94	124541	1.96
Blue	E	FITC	15760	15293	-3	3.08	330	23.34
Blue	D	PE	25880	25168	-3	2.10	547	17.53
Blue	B	PerCP-Cy5-5	34075	34047	-1	4.36	1033	23.60
Blue	A	PE-Cy7	22776	22930	0	7.64	550	47.78
Red	C	APC	42488	41485	-3	2.75	1564	13.08
Red	A	APC-Cy7	24478	23931	-3	2.86	820	13.32
Violet	B	V450	6304	6033	-5	4.34	336	18.63
Violet	A	V500	26005	24478	-6	3.82	573	13.78

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20831	13.98	613	16	N/A	N/A	Pass
Blue	F	SSC	56069	1.34	582	27	N/A	N/A	Pass
Blue	E	FITC	59	77.66	565	9	0.0148	240	Pass
Blue	D	PE	113	60.40	559	10	0.1160	295	Pass
Blue	B	PerCP-Cy5-5	196	57.19	660	13	0.0068	68	Pass
Blue	A	PE-Cy7	106	117.05	714	17	0.0081	21	Pass
Red	C	APC	366	28.40	602	2	0.0214	208	Pass
Red	A	APC-Cy7	199	29.12	574	3	0.0044	758	Pass
Violet	B	V450	54	85.44	501	12	0.0246	2357	Pass
Violet	A	V500	85	47.83	517	11	0.0118	1034	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.49	-30.91	0.92
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.41
Red	16.12	13.60 - 20.40	N/A	N/A	30.73	31.31	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12144

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments